

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re Application of:

Hae-Seung LEE

Serial No.: 08/931,125

Examiner: to be assigned

Filed: 16 September 1997

Art Unit: 2761

For: MEMORY SYSTEM FOR IMPROVING DATA INPUT/OUTPUT PERFORMANCE
AND METHOD OF CACHING**RESPONSE TO NOTICE TO FILE MISSING PARTS**The Assistant Commissioner
for Patents
Washington, DC 20231

Sir:

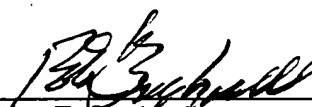
In response to the Notice to File Missing Parts mailed 14 January 1998, Applicant notes the filing of the following items on 16 October 1997, prior to mailing and receipt of the Notice:

- * Fee transmittal and Check 21624 for \$920.00
- * Transmittal of Declaration and Declaration

Applicant further encloses with this Response a copy of the Declaration as filed.

Applicant notes no parts are missing from the instant application. Should any questions remain unsolved, the Office is requested to telephone Applicant's undersigned attorney.

Respectfully submitted,


Robert E. Bushnell
Reg. No.: 27,774
Attorney for the Applicant1511 "K" Street, N.W., Suite 425
Washington, D.C. 20005
(202) 638-5740
Folio: P54508
Date: 21 January 1998
I.D.: REB/ev



P54508

16 October 1997

Applicant: *Hae-Seung LEE*

Serial No.: 08/931,125

Filed: 16 September 1997

For: MEMORY SYSTEM FOR IMPROVING DATA INPUT/OUTPUT
PERFORMANCE AND METHOD OF CACHING

Document filed:

1. Fee Transmittal w/ck No. 21213 for \$940 & ck No. 21214 for \$40
2. Transmittal of Declaration & Declaration
3. PTO-1595 form & Assignment





PTO/sb/ xx (6-95)

Approved for use through OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

FEE TRANSMITTAL		COMPLETE IF KNOWN																																																															
		Application Number		08/931.125																																																													
		Filing Date		16 September 1997																																																													
		First Named Inventor		Hae-Seung LEE																																																													
		Group Art Unit																																																															
		Examiner Name																																																															
TOTAL AMOUNT OF PAYMENT		\$960.00		Attorney Docket Number		P54508																																																											
METHOD OF PAYMENT (check one)																																																																	
<p>1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to: Account Number: 02-4943 Deposit Account Name:</p> <p><input type="checkbox"/> Charge any additional fee required under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Charge the issue Fee set in 37 CFR 1.18 at the mailing of the Notice of Allowance. 37 CFR 1.311 (b).</p>				<p>2. <input checked="" type="checkbox"/> Payment enclosed: <input checked="" type="checkbox"/> Checks #21624 #21625 <input type="checkbox"/> Money order <input type="checkbox"/> Other</p>																																																													
FEE CALCULATION																																																																	
1. Filing FEE				ADDITIONAL FEES																																																													
<table border="1"><thead><tr><th colspan="2">Large Entity</th><th colspan="2">Small Entity</th><th></th><th></th></tr><tr><th>Fee Code</th><th>Fee(s)</th><th>Fee Code</th><th>Fee(s)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>101</td><td>\$ 770</td><td>201</td><td>\$ 385</td><td>Utility filing</td><td>\$ 790.00</td></tr><tr><td>106</td><td>\$ 320</td><td>206</td><td>\$ 160</td><td>Design filing fee</td><td>\$</td></tr><tr><td>107</td><td>\$530</td><td>207</td><td>\$ 265</td><td>Plant filing Fee</td><td>\$</td></tr><tr><td>108</td><td>\$770</td><td>208</td><td>\$ 385</td><td>Reissue filing fee</td><td>\$</td></tr><tr><td colspan="5">SUBTOTAL</td><td>\$790.00</td></tr></tbody></table>				Large Entity		Small Entity				Fee Code	Fee(s)	Fee Code	Fee(s)	Fee Description	Fee Paid	101	\$ 770	201	\$ 385	Utility filing	\$ 790.00	106	\$ 320	206	\$ 160	Design filing fee	\$	107	\$530	207	\$ 265	Plant filing Fee	\$	108	\$770	208	\$ 385	Reissue filing fee	\$	SUBTOTAL					\$790.00	<table border="1"><thead><tr><th>Fee Code</th><th>Fee(s)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>105</td><td>\$ 130.00</td><td>Surcharge</td><td>\$130.00</td></tr><tr><td>581</td><td>\$ 40.00</td><td>Assignment Recordation</td><td>\$ 40.00</td></tr><tr><td colspan="3">SUBTOTAL</td><td>\$170.00</td></tr></tbody></table>				Fee Code	Fee(s)	Fee Description	Fee Paid	105	\$ 130.00	Surcharge	\$130.00	581	\$ 40.00	Assignment Recordation	\$ 40.00	SUBTOTAL			\$170.00
Large Entity		Small Entity																																																															
Fee Code	Fee(s)	Fee Code	Fee(s)	Fee Description	Fee Paid																																																												
101	\$ 770	201	\$ 385	Utility filing	\$ 790.00																																																												
106	\$ 320	206	\$ 160	Design filing fee	\$																																																												
107	\$530	207	\$ 265	Plant filing Fee	\$																																																												
108	\$770	208	\$ 385	Reissue filing fee	\$																																																												
SUBTOTAL					\$790.00																																																												
Fee Code	Fee(s)	Fee Description	Fee Paid																																																														
105	\$ 130.00	Surcharge	\$130.00																																																														
581	\$ 40.00	Assignment Recordation	\$ 40.00																																																														
SUBTOTAL			\$170.00																																																														
2. CLAIMS																																																																	
Total Claims <u>Six (6)</u>				Fee from below																																																													
independent claims: <u>Two (2)</u>																																																																	
Multiple Dependent claims: _____																																																																	
Large Entity Small Entity																																																																	
Fee Code	Fee(s)	Fee Code	Fee(s)	Fee Description	Fee Paid																																																												
102	\$80	202	\$40	Independent claim																																																													
				In excess of three																																																													
103	\$22	203	\$11	Claim s in excess of 20																																																													
104	\$260	204	\$130	Multiple dependent claims																																																													
109	\$80	209	\$40	Reissue independent claims																																																													
				over original patent																																																													
110	\$22	210	\$11	Reissue claims in excess of 20																																																													
				and over original patent																																																													
SUBTOTAL																																																																	
submitted by: Robert E. Bushnell, Esq. 1511 K St. NW Suite 425 Washington, D.C. 20005						Complete (if applicable)																																																											
Typed or Printed Name		Robert E. Bushnell		Payor No. 008439		Reg. No.	27.774																																																										
Signature				Date	14 October 1997	Deposit Account User ID																																																											

ROBERT E. BUSHNELL

LAW OFFICES
1511 K ST., NW., SUITE 425
WASHINGTON, DC 20005-1401
(202) 638-5740

PAY TO THE ORDER OF U.S. Department of Treasury

Nine Hundred Twenty and 00/100*****

Commissioner of Patents
& Trademarks
BOX: MISSING PARTS
Washington, D.C. 20231

MEMO Serial No. 08/931,125 - Filing fee

⑈021624⑈ ⑆254070116⑆

⑈6674 6450⑈

ROBERT E. BUSHNELL

LAW OFFICES
1511 K ST., NW., SUITE 425
WASHINGTON, DC 20005-1401
(202) 638-5740

PAY TO THE ORDER OF U.S. Department of Treasury

Forty and 00/100*****

Commissioner of Patents
& Trademarks
BOX: ASSIGNMENT
Washington, D.C. 20231

MEMO Serial No. 08/931,125 - Assignment fee

⑈021625⑈ ⑆254070116⑆

⑈6674 6450⑈

CITIBANK
CITIBANK, F.S.B. 1-800-926-1067
WASHINGTON, DC 20036-0967
15-7011-2540

**920.00 \$



P54508

MP

CITIBANK
CITIBANK, F.S.B. 1-800-926-1067
WASHINGTON, DC 20036-0967
15-7011-2540

**40.00 \$

DOLLARS

P54508

MP

COPY

Security features included. Details on back.

Security features included. Details on back.

081064/3-90



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO./TITLE
--------------------	---------------------	-----------------------	---------------------------

08/931,125 09/16/97 LEE

H P54508

0232/0114

ROBERT E. BUSHNELL
SUITE 425
1511 K STREET NW
WASHINGTON DC 20005-1401

NOT ASSIGNED

DATE MAILED: 2761

01/14/98

NOTICE TO FILE MISSING PARTS OF APPLICATION
Filing Date Granted

An Application Number and Filing Date have been assigned to this application. However, the items indicated below are missing. The required items and fees identified below must be timely submitted **ALONG WITH THE PAYMENT OF A SURCHARGE** for items 1 and 3-6 only of \$ 150 for a ☒ large entity ☐ small entity in compliance with 37 CFR 1.27. The surcharge is set forth in 37 CFR 1.16(e). Applicant is given TWO MONTHS FROM THE DATE OF THIS NOTICE within which to file all required items and pay any fees required above to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

If all required items on this form are filed within the period set above, the total amount owed by applicant as a ☒ large entity ☐ small entity (verified statement filed), is \$ 920.

☒ 1. The statutory basic filing fee is:

- ☐ missing.
☐ insufficient.

Applicant must submit \$ 790 to complete the basic filing fee and/or file a verified small entity statement claiming such status (37 CFR 1.27).

☐ 2. Additional claim fees of \$ _____, including any multiple dependent claim fees, are required.

Applicant must either submit the additional claim fees or cancel additional claims for which fees are due.

☐ 3. The oath or declaration:

- ☐ is missing.
☐ does not cover the newly submitted items.
☐ does not identify the application to which it applies.
☐ does not include the city and state or foreign country of applicant's residence.

An oath or declaration in compliance with 37 CFR 1.63, including residence information and identifying the application by the above Application Number and Filing Date is required.

☒ 4. The signature(s) to the oath or declaration is/are:

- ☒ missing.
☐ by a person other than inventor or person qualified under 37 CFR 1.42, 1.43, or 1.47.

A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.

☐ 5. The signature of the following joint inventor(s) is missing from the oath or declaration:

An oath or declaration listing the names of all inventors and signed by the omitted inventor(s), identifying this application by the above Application Number and Filing Date, is required.

☐ 6. A \$ _____ processing fee is required since your check was returned without payment (37 CFR 1.21(m)).

☐ 7. Your filing receipt was mailed in error because your check was returned without payment.

☐ 8. The application does not comply with the Sequence Rules.

See attached "Notice to Comply with Sequence Rules 37 CFR 1.821-1.825."

☐ 9. OTHER:

Direct the response and any questions about this notice to "Attention: Box Missing Parts."

A copy of this notice MUST be returned with the response.

Customer Service Center
Initial Patent Examination Division (703) 308-1202



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Application of:

Hae-Seung LEE

Serial No.: 08/931,125

Examiner: *To Be Assigned*

Filed: 16 September 1997

Art Unit: *To Be Assigned*

For: MEMORY SYSTEM FOR IMPROVING DATA INPUT/OUTPUT
PERFORMANCE AND METHOD OF CACHING


TRANSMITTAL OF SUBSTITUTE DECLARATION

The Assistant Commissioner
for Patents
Washington, DC 20231

Sir:

This transmittal accompanies a Substitute Declaration to substitute earlier filed on 16 September 1997.

Respectfully submitted,


Robert E. Bushnell,
Attorney for the Applicant
Registration No.: 27,774

Suite 425, 1511 "K" Street, N.W.
Washington, D.C. 20005
(202) 638-5740

Folio: P54508
Date: 10/14/97
I.D.: REB/ev

